

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/16/2014 10/16/2014	Matthew Hoffman

LM Start		Rating **	A	Issue No.	5		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_RD0817_01_f_2014_5						
Action/Comments							
Inspector Comments: LMA regularly attends flood fight training put on by RD784 and DWR .							

No Photos

LM Start		Rating **	A	Issue No.	9		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_RD0817_01_s_2013_9						
Action/Comments							
Inspector Comments: The manuals are located at Tom Englers office and at Joe Conant's office.							

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD0817_01_s_2013_10				
Action/Comments					
Inspector Comments: LMA stated that they have approx. 2500 sandbags and related flood fight material located in a mini storage in downtown Wheatland.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 South Dry Creek	Left	3.81	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	2.10	Rating **	A	Issue No.	2
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.007115 °	39.007115 °
				-121.481094 °	-121.481094 °
DWR ID	DWR_RD0817_01_f_2014_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD0817_12_2_20141017_00005.jpg



This photo was taken from the crown facing west looking down the landward levee slope at acceptable vegetation maintenance. Fall 2014.

LM Start	2.42	Rating **	A/W	Issue No.	7
LM End	3.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.009167 °	39.019369 °
				-121.475814 °	-121.455139 °
DWR ID	DWR_RD0817_01_f_2013_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_RD0817_12_7_20141013_00001.jpg



This photo was taken from the crown of the levee facing west looking at the vegetation on the waterward side of the levee.

LM Start	2.42	Rating **	A/W	Issue No.	11
LM End	3.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984695 °	39.019369 °
				-121.506115 °	-121.455139 °
DWR ID	DWR_RD0817_01_f_2013_11				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_RD0817_12_11_20141013_00003.jpg



This photo was taken from the levee crown facing west looking down the landward levee slope at vegetation requiring maintenance. Spring 2014.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/16/2014 10/16/2014	Matthew Hoffman

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	0.01	Rating **	A/W	Issue No.	5
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984502 °	38.985971 °
				-121.505957 °	-121.484564 °
DWR ID	DWR_RD0817_02_f_2012_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_RD0817_13_5_20141013_00001.jpg



This photo was taken from the levee crown facing east looking down the landward levee slope at vegetation requiring maintenance. Spring 2014.

LM Start	0.01	Rating **	A/W	Issue No.	7
LM End	1.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984502 °	38.985971 °
				-121.505958 °	-121.484564 °
DWR ID	DWR_RD0817_02_f_2012_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.27	Rating **	U	Issue No.	9
LM End	0.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984308 °	38.984308 °
				-121.501561 °	-121.501561 °
DWR ID	DWR_RD0817_02_f_2013_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Berry bushes have been sprayed but still need to be removed.					

Photo 1 of 1 : FA_2014_RD0817_13_9_20141013_00003.jpg



This photo was taken from the crown of the levee facing east looking at the blackberry bushes on the landward slope of the levee. They have been sprayed but still need to be removed.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	2.05	Rating **	C	Issue No.	8
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.989180 °	38.989180 °
				-121.469291 °	-121.469291 °
DWR ID	DWR_RD0817_02_f_2014_8				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	2.12	Rating **	C	Issue No.	13
LM End	2.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.989468 °	38.992609 °
				-121.468106 °	-121.453976 °
DWR ID	DWR_RD0817_02_f_2013_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.12	Rating **	A/W	Issue No.	12
LM End	2.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.989469 °	38.992608 °
				-121.468106 °	-121.453976 °
DWR ID	DWR_RD0817_02_f_2013_12				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	2.17	Rating **	U	Issue No.	14
LM End	2.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.989727 °	38.989727 °
				-121.467162 °	-121.467162 °
DWR ID	DWR_RD0817_02_f_2013_14				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Medium sized animal burrow in the the waterward side of the levee slope.					

Photo 1 of 1 : FA_2014_RD0817_13_14_20141013_00006.jpg



This photo was taken from the crown of the levee facing east looking at a medium sized animal burrow in the the waterward side of the levee slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	0.54	Rating **	U	Issue No.	8
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.989961 °	38.992220 °
				-121.502009 °	-121.498198 °
DWR ID	DWR_RD0784_06_f_2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dense berry bushes along lower slope.					

Photo 1 of 1 : FA_2014_RD0784_183_8_20140929_00001.jpg



Levee mile 0.54, the landside slope.

LM Start	0.58	Rating **	U	Issue No.	7
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.990201 °	38.990201 °
				-121.501522 °	-121.501522 °
DWR ID	DWR_RD0784_06_f_2012_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Berries and saplings on the slope.					

No Photos

LM Start	0.68	Rating **	U	Issue No.	11
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			38.991084 °	38.991084 °
				-121.499871 °	-121.499871 °
DWR ID	DWR_RD0784_06_f_2012_11				
Action/Comments					

Photo 1 of 3 : FA_2014_RD0784_183_11_20140929_00004.jpg



Levee mile 0.68, this is located near the low flow channel, the flap gate is lying on the ground, the end of the pipe was not located.

*** Location**

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WS : Water Side
CR : Crown

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+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	0.68	Rating **	U	Issue No.	11 (cont)
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			38.991084 °	38.991084 °
				-121.499871 °	-121.499871 °
DWR ID	DWR_RD0784_06_f_2012_11				
Action/Comments					

Photo 2 of 3 : FA_2014_RD0784_183_11_20140929_00005.jpg



L/S Intake at LM 0.68

LM Start	0.68	Rating **	U	Issue No.	11 (cont)
LM End	0.68	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2014_RD0784_183_11_20140929_00006.jpg

CMP is rusting and has numerous holes but flap gate is in place.
4/25/13 - Burnett

LM Start	0.85	Rating **	C	Issue No.	9
LM End	0.85	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.992657 °	38.992657 °
				-121.497542 °	-121.497542 °
DWR ID	DWR_RD0784_06_f_2012_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	1.17	Rating **	U	Issue No.	10
LM End	1.17	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			38.995856 °	38.995856 °
				-121.493110 °	-121.493110 °
DWR ID	DWR_RD0784_06_f_2012_10				
Action/Comments					

Photo 1 of 1 : FA_2014_RD0784_183_10_20140929_00003.jpg



Levee mile 1.17 near the low flow channel, it appears a smaller pipe has been sleeved into the larger pipe, the flap gate does not make contact with the smaller pipe.

LM Start	1.26	Rating **	M	Issue No.	16
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets				°
					°
DWR ID	DWR_RD0784_06_f_2012_16				
Action/Comments					

Photo 1 of 1 : FA_2014_RD0784_183_16_20140929_00009.jpg



Levee mile 1.33 waterside of the levee, this pipe appears to be sleeved into a larger pipe, access to both ends is limited.

LM Start	1.27	Rating **	U	Issue No.	12
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997019 °	38.999719 °
				-121.491802 °	-121.490147 °
DWR ID	DWR_RD0784_06_f_2012_12				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 03 South Dry Creek	Right	1.32	10/01/2014 10/01/2014	Matthew Hoffman

LM Start	1.27	Rating **	U	Issue No.	13
LM End	1.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997019 °	38.999719 °
				-121.491802 °	-121.490148 °
DWR ID	DWR_RD0784_06_f_2012_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.27	Rating **	U	Issue No.	14
LM End	1.50	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997019 °	38.999719 °
				-121.491802 °	-121.490147 °
DWR ID	DWR_RD0784_06_f_2012_14				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_RD0784_183_14_20140929_00007.jpg



Levee mile 1.27 looking upstream, typical of the levee from 1.27 to 1.50.

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+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement